

NRC FORM 114
(3-92)
NRCM 4108

U.S. NUCLEAR REGULATORY COMMISSION

CAREER OPPORTUNITY ANNOUNCEMENT

DO NOT REMOVE POSTING

AN EQUAL OPPORTUNITY EMPLOYER. CANDIDATES WILL BE CONSIDERED WITHOUT DISCRIMINATION FOR ANY NONMERIT REASON SUCH AS RACE, COLOR, RELIGION, SEX, NATIONAL ORIGIN, POLITICAL AFFILIATION, MARITAL STATUS, PHYSICAL OR MENTAL HANDICAPS, AGE, OR MEMBERSHIP IN AN EMPLOYEE ORGANIZATION.

POSITION TITLE Sr. Materials Engineer (mult)		ANNOUNCEMENT NUMBER 0250011	DATES: OPENING 11/13/01	CLOSING (Close of business) O-U-F	EXPIRATION (For "Open Until Filled" vacancies remove posting on this date) 05/11/02
SERIES 0806	GRADE GG-15	PROMOTION POTENTIAL TP GG-15	AREA OF CONSIDERATION <input checked="" type="checkbox"/> NATIONWIDE <input type="checkbox"/> WASHINGTON, DC COMMUTING AREA <input type="checkbox"/> REGION COMMUTING AREA <input type="checkbox"/> OTHER		TYPE OF POSITION <input checked="" type="checkbox"/> BARGAINING UNIT <input checked="" type="checkbox"/> FULL-TIME <input checked="" type="checkbox"/> PERMANENT APPOINTMENT INCUMBENT IS SUBJECT TO RANDOM DRUG TESTING
ORGANIZATION LOCATION Office of Nuclear Reactor Regulation Division of Engineering			NOT TO EXCEED <input type="checkbox"/> PART-TIME <input type="checkbox"/> TEMPORARY APPOINTMENT		
DUTY LOCATION Rockville, MD		TRAVEL REQUIREMENTS Occasional	NAME OF IMMEDIATE SUPERVISOR Various		

APPLICATION INSTRUCTIONS: COMPLETE AND SUBMIT THE FOLLOWING TO THE ADDRESS SPECIFIED AT THE BOTTOM OF THIS PAGE. (Use the Vacancy Announcement Number in all correspondence.)

1. AN UPDATED \$191 PERSONAL QUALIFICATIONS STATEMENT OR APPLICATION FOR GOVERNMENT EMPLOYMENT OR RESUME
2. AN NRC FORM 115, VACANCY APPLICATION STATUS NOTICE (NRC applicants only);
3. A COPY OF YOUR CURRENT PERFORMANCE APPRAISAL OR A SIGNED STATEMENT THAT IT IS NOT AVAILABLE.
4. NRC APPLICANTS(ONLY); FOUR COPIES OF APPLICATION MATERIALS REQUESTED.
5. THE NRC IS A ZERO-TOLERANCE AGENCY WITH RESPECT TO ILLEGAL DRUG USE.
6. OTHER (Specify):

NOTICE: APPLICATIONS MAY BE REFERRED TO THE RATING ENTITY A MINIMUM OF SIXTEEN (16) CALENDAR DAYS AFTER OPENING DATE

NONBARGAINING UNIT POSITIONS ONLY. CANDIDATES WHOSE PRESENT PROMOTION POTENTIAL DOES NOT EXCEED THE POTENTIAL OF THIS VACANCY MAY NOT BE SUBJECT TO RATING PROCEDURES AND MAY BE REFERRED DIRECTLY TO THE SELECTING OFFICIAL.

DUTIES OF POSITION (if this position is announced at multiple grade levels, these duties describe the full performance level; at lower grade levels the duties may vary slightly and will be performed under somewhat closer supervision.)

**** APPLICATIONS MAY BE REFERRED TO A RATING PANEL A MINIMUM OF 16 CALENDAR DAYS FROM THE OPENING DATE. APPLICANTS MAY THEREFORE WISH TO APPLY AS SOON AS POSSIBLE.**

Salary Range: \$87,864 - \$114,224 (based on 2001 pay scale)

Incumbent serves as a senior technical specialist responsible for

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QUALIFICATIONS REQUIRED (if the position is announced at multiple grade levels, these qualifications describe the full performance level, unless otherwise specified. The position description, immediate supervisor, and/or NRC Manual chapter and Appendix 4108 can be consulted for more detailed qualification requirements and/or interpretation of qualifying experience.)

Candidates must have at least one year of specialized experience at the next lower grade level in the occupational series listed above or in another series performing similar duties, or equivalent level experience gained in industry/private sector.

Candidates must also possess knowledge of the theories, principles and practices in a the field of engineering or related technical discipline

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RATING FACTORS (Applicants are strongly encouraged to submit a statement addressing the Rating listed below.)

APPLICANTS MUST ADDRESS THE FOLLOWING RATING FACTORS:

1. Broad knowledge of and experience applying the principles, theories and practices in the field of materials or mechanical engineering related to the related to the NRC licensing, inspection and other regulatory programs pertaining to power or non-power reactors. Demonstrated knowledge and application of regulations, policies, regulatory guides,

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FOR ADDITIONAL INFORMATION CONTACT

Alison Hoffman

Email: AXH

Mail Stop: O-3E17A

TELEPHONE

AREA
CODE
301

NUMBER

415-3830

SEND APPLICATION MATERIALS TO:

<input checked="" type="checkbox"/> Human Resources Services & Operations Office of Human Resources	<input type="checkbox"/> Region I Personnel Officer	<input type="checkbox"/> Region II Personnel Officer	<input type="checkbox"/> Region III Personnel Officer	<input type="checkbox"/> Region IV Personnel Officer
U.S. Nuclear Regulatory Commission Washington, D.C. 20555	U.S. Nuclear Regulatory Commission 475 Allendale Road King of Prussia, PA 19406	U.S. Nuclear Regulatory Commission 61 Forsyth Street, SW (23785) Atlanta, GA 30303	U.S. Nuclear Regulatory Commission 801 Warrenville Road Lisle, IL 60532	U.S. Nuclear Regulatory Commission 611 Ryan Plaza Drive, Suite 400 Arlington, TX 76011

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DUTIES OF POSITION - CONTINUED

performing evaluations of materials engineering and inservice degradation-related issues to support licensee implementation of NRC regulations and requirements, and to support applications for license renewal. The incumbent will utilize technical expertise in the area of materials engineering for reactor licensing reviews, license renewal reviews, power up-rate reviews, and reviews of age-related degradation issues (e.g., steam generator integrity and inspections, flaw evaluations, reactor vessel embrittlement, fatigue, wall thinning, or component support integrity); regulatory improvements such as development of information notices, technical policies, regulations and regulatory guidance, management of technical assistance contracts; and development of NRC research users requests. Incumbent may serve as a principal staff representative in meetings with the public, industry and other government and senior NRC officials.

QUALIFICATIONS REQUIRED - CONTINUED

as evidenced by a Bachelor's degree or equivalent combination of education, training and experience.

RATING FACTORS - CONTINUED

and NRC's current risk-informed and performance-based regulatory approach.

(EXAMPLE: Describe specific experience, education, and training which demonstrate knowledge of and experience applying the regulatory requirements, programs and policies with regard to regulating nuclear facilities. Describe specific examples which demonstrate ability to apply and interpret regulatory requirements and guides, and to assess and evaluate safety programs emphasizing a risk-informed and performance-based regulatory approach.)

2. Demonstrated knowledge of and experience in the materials engineering areas, such as metallurgy, fracture mechanics, structural mechanics and eddy current testing for steam generator tube integrity and inspection reviews.

(EXAMPLE: Describe specific experience, education, and training which demonstrate knowledge of, and application in the above areas.)

3. Demonstrated knowledge of design, construction, licensing,

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RATING FACTORS - CONTINUED

inspection, operation and/or decommissioning of commercial nuclear power plants.

(EXAMPLE: Describe specific experience, education, and training which demonstrate knowledge and understanding of the broad principles of design, construction, licensing, inspection, operation, and/or decommissioning of nuclear power plants.)

4. Detailed and extensive knowledge of, and experience with, ASME Code requirements and other related industry codes and standards in the areas of materials engineering.

(EXAMPLE: Describe specific experience, education or training which demonstrate knowledge and application of materials engineering, such as flaw evaluations, reactor vessel pressurized thermal shock and pressure-temperature limit reviews, structural mechanics and eddy current examination, testing for steam generator tube integrity and steam generator inspection reviews.)

5. Demonstrated ability to communicate information, ideas, and advice in a clear, concise and logical manner, both orally and in writing.

(EXAMPLE: Describe specific experience, training, and accomplishments which demonstrate ability to: lead complex scientific and technical discussions and to explain complicated technical and policy issues to staff and management, licensee personnel, representatives of Federal, State and local agencies, industry, oversight groups, and the general public; make presentations to various audiences on particular projects of interest; and develop clear, concise, balanced and well-founded technical and policy positions and recommendations based on complex and diverse opinions and facts.)

6. Demonstrated ability to provide leadership to a technical staff as demonstrated by leading or coordinating activities assigned to specific projects.

(EXAMPLES: Describe specific experience, training, and assignments that demonstrate ability to provide leadership as evidenced by success in areas such as resolving complex problems or diverse technical opinions, providing oversight, guidance and direction to a team of diverse backgrounds, and establishing and controlling procedures and schedules of work products and projects.)

NOTE: Breadth, recency, and length of experience in the field; training, awards and commendations; past and current performance; and community or

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RATING FACTORS - CONTINUED

outside professional activities will be considered as they relate to each of the above rating factors to determine the level of knowledge, skill or ability of candidates.

REASONABLE ACCOMMODATIONS WILL BE MADE FOR QUALIFIED APPLICANTS OR EMPLOYEES WITH DISABILITIES, EXCEPT WHEN DOING SO WOULD POSE AN UNDUE HARDSHIP ON THE AGENCY.

Current/reinstatement-eligible Federal employees with status (tenure group 1 or 2) will be considered through merit promotion procedures under this announcement and must submit a copy of an SF-50 (Notification of Personnel Action) to verify competitive status. NRC EMPLOYEES DO NOT HAVE TO SUBMIT AN SF-50. Status applicants who wish to be considered under both merit promotion and competitive procedures must submit two (2) complete application packages. If only one (1) is received, it will be considered under the merit promotion announcement only.

Veterans' Preference: If claiming 5-point veterans' preference, you must attach a copy of your DD-214, Certificate of Release or Discharge from Active Duty, or other proof of eligibility. If claiming 10-point veterans' preference, you must attach an SF-15, Application for 10-point Veterans' Preference, plus the proof required by that form.

EXECUTIVE AGENCIES ARE PROHIBITED FROM ACCEPTING OR CONSIDERING APPLICANTS FOR COMPETITIVE APPOINTMENTS OR POSITIONS BASED ON POLITICAL RECOMMENDATIONS FROM MEMBERS OF CONGRESS, CONGRESSIONAL EMPLOYEES, ELECTED STATE OR LOCAL GOVERNMENT OFFICIALS, AND POLITICAL PARTY OFFICIALS. SUCH OFFICIALS MAY ONLY SUPPLY STATEMENTS REGARDING THE CHARACTER AND RESIDENCE OF THE APPLICANT.